ELSEVIER

Toxicology 133 (1999) 189–190

TOXICOLOGY

Contents of volume 133

Molecular modelling of the human cytochrome P450 isoform CYP2A6 and investigations of CYP2A substrate selectivity
A detailed molecular model of the hepatic coumarin 7-hydroxylase
D.F.V. Lewis, M. Dickins, B.G. Lake, P.J. Eddershaw, M.H. Tarbit, P.S. Goldfarb (UK) 1–33

Evaluation of the effect of smokeless tobacco purified products and extracts on latent Epstein–Barr virus
No evidence for an interaction between smokeless tobacco products and Epstein-Barr virus was found
H.B. Jenson, P. Heard, M.P. Moyer (USA) 35–42

Characterization of cadmium-induced apoptosis in rat lung epithelial cells: evidence for the participation of oxidant stress
Up-regulation of oxidant stress genes precedes apoptosis
B.A. Hart, C.H. Lee, G.S. Shukla, A. Shukla, M. Osier, J.D. Eneman, J.-F. Chiu (USA) 43–58

Use of immunotoxicity data in health risk assessments: uncertainties and research to improve the process
Immunotoxity data that may be applied to the development of risk assessment methods and models are reviewed
M.J.K. Selgrade (USA) 59–72

Instructions to authors 73

Effects of dietary vitamin E supplementation on pulmonary morphology and collagen deposition in amiodarone- and vehicle-treated hamsters
Vitamin E may have non-specific antifibrotic activity
J.W. Card, R.G. Leeder, W.J. Racz, J.F. Brien, T.M. Bray, T.E. Massey (Canada, USA) 75–84

Impairment of TNF-α expression and secretion in primary rat liver cell cultures by acetaminophen treatment
30 mM acetaminophen for three hours significantly reduces TNA-α production in hepatic cell culture
C. Nastevska, E. Gerber, M. Horbach, E. Röhrdanz, R. Kahl (Germany) 85–92

Protection against chronic cadmium toxicity by caloric restriction
Lead blocks the entry of extracellular calcium
Z.A. Shaikh, S.A. Jordan, W. Tang (USA) 93–103

Lead induced thiamine deficiency in the brain decreased the threshold of electroshock seizure in rat
Thiamine supplementation reversed increased sensitivity
J. Hoon Cheong, D. Ook Seo, J. Ryun Ryu, C. Young Shin, Y. Tae Kim, H.-C. Kim, W.-K. Kim, K. Ho Ko (South Korea) 105–113

Antiestrogenicity of environmental polycyclic aromatic hydrocarbons in human breast cancer cells
Two possible mechanisms are discussed
K.F. Arcaro, P.W. O'Keefe, Y. Yang, W. Clayton, J.F. Gierthy (USA) 115–127

Acrolein toxicity: comparative in vitro study with lung slices and pneumocytes type II cell line from rats
A new cutting technique shows that acroleine alters glutathione and GSH enzyme levels
C. Monteil, E. Le Prieur, S. Buisson, J.P. Morin, M. Guerbet, J.M. Jouany (France) 129–138

Inhibition of humán erythrocyte Ca^{2+}-ATPase by Zn^{2+}
Is Zn a regulator for erythrocyte Ca extrusion mechanism?
C. Hogstrand, P.M. Verbost, S.E. Wendelaar Bonga (USA, The Netherlands) 139–145

Possible mechanism for lead inhibition of vascular endothelial cell proliferation: a lower response to basic fibroblast growth factor through inhibition of heparan sulfate synthesis
Bovine aorta endothelial cells were studied
Y. Fujiwara, T. Kaji (Japan) 147–157

Lead inhibits the core protein synthesis of a large heparan sulfate proteoglycan perlecan by proliferating vascular endothelial cells in culture
Inhibition of endothelial cell proliferation may play a role in Pb induced atherosclerosis
Y. Fujiwara, T. Kaji (Japan) 159–169

In vitro suppressive effect of aflatoxin B_1 on murine peritoneal macrophage functions
Aflatoxin B1 inhibits murine macrophage functions
E.-Y. Moon, D.-K. Rhee, S. Pyo (South Korea) 171–179

Erratum 181–182

Author index of volume 133 183

Subject index of volume 133 185–187

Contents of volume 133 189–190